

ABSTRACT

In a device and a method for measuring path lengths, particularly of brushes in
10 sliding contacts, an air stream having a regularly fluctuating pressure is provided
by a pump and conducted via an air supply line and a nozzle to an object to be
measured. The object is disposed so that its length or position affects the flow
resistance of passing air. A consequent pressure drop in the supply line is
determined with a pressure sensor, and an evaluation unit computes, in particular
15 from the difference between maximum and minimum air pressure, a length of the
object as a function of the pressure difference. In another embodiment of the
invention, pressurized air is supplied from a pump to an object to be measured,
and a sensor is disposed to detect a pressure change when the object has
attained a predetermined length.